ELSEVIER

www.elsevier.nl/locate/jorganchem

Journal of Organometallic Chemistry 601 (2000) 357–359

Journal of Organometallic Chemistry

Contents of Volume 601

Synthesis, characterization and X-ray structural determination of palladium(0)–ole|fi|n complexes containing pyridin-thioethers as ancillary ligands. Equilibria and rates of ole|fi|n and ligand exchange
L. Canovese, F. Visentin, G. Chessa, P. Uguagliati, A. Dolmella 1

Studies on the nature of active species in $W(CO)_6/CCl_4$/hv system as applied to metathesis polymerisation reactions
G. Bhukta, R. Manivannan, G. Sundararajan 16

Cyclometallated platinum complexes with thienyl imines. X-ray crystal structure of $[PtMe\{3\text{-}(PhCH_2NCH)C_4H_2S\}PPh_3]$
C. Anderson, M. Crespo, M. Font-Bardía, A. Klein, X. Solans 22

From molecules to aggregates: crystal structures of molybdenum binuclear complexes
P. Pinto, E. Barranco, M.J. Calhorda, V. Félix, M.G.B. Drew 34

Cationic palladium complexes with ketophosphine and phosphino enolate ligands and their reactivity towards C–C coupling reactions. Crystal structures of $[\overline{PdMe\{Ph_2PCH_2C(O)Ph\}}(PCy_3)](PF_6)$ and $[\overline{Pd\{Ph_2PCH\cdots C(\cdots O)Ph\}}(SMe_2)_2](PF_6)$
J. Andrieu, P. Braunstein, F. Naud, R.D. Adams 43

Complexes *cis*-$[PdCl_2(OSMeR)_2]$ (R = Me, Ph, and C_6H_4Me-4) in attempted asymmetric cyclometalation of dimethylaminomethylferrocene
A.D. Ryabov, I.M. Panyashkina, G.M. Kazankov, V.A. Polyakov, L.G. Kuz'mina 51

Syntheses of monomeric iron and manganese complexes using bulky tripodal ligands: catalytic alkene epoxidations
J. Chen, L.K. Woo 57

Synthesis and molecular structure of $[RuCl\{C(=CHPh)OC(=O)CH_2CH_3\}(CO)(PPh_3)_2]$: a real intermediate in ruthenium complex-catalyzed selective synthesis of a (*Z*)-enol ester
H. Kawano, Y. Masaki, T. Matsunaga, K. Hiraki, M. Onishi, T. Tsubomura 69

Functionalised alkenylcarbene metal complexes (M = Ru, W, Cr) by activation of propargyl alcohol derivatives
K. Ulrich, E. Porhiel, V. Péron, V. Ferrand, H. Le Bozec 78

Reaction of $[Et_3NH][(\mu\text{-}RE)(\mu\text{-}CO)Fe_2(CO)_6]$ (E = S, Se) with azides. Synthesis of $(\mu\text{-}RE)(\mu\text{-}p\text{-}R^1C_6H_4N_3H)Fe_2(CO)_6$ and crystal structure of $(\mu\text{-}Bu^tS)(\mu\text{-}PhN_3H)Fe_2(CO)_6$
Z.-X. Wang, S.-B. Miao, Z.-Y. Zhou, X.-G. Zhou 87

Synthesis, electrochemistry and electronic spectra of tetranuclear bis(η^2-alkynyl) transition-metal complexes. The molecular structure of $[(\eta^5\text{-}C_5H_4SiMe_3)_2Ti(C{\equiv}CFc)_2]CuBr$
S. Back, G. Rheinwald, H. Lang 93

On the mechanism of hydroesteri|fi|cation of styrene using an in situ-formed cationic palladium complex
A. Seayad, S. Jayasree, K. Damodaran, L. Toniolo, R.V. Chaudhari 100

Reactions of $[(\mu\text{-}RS)(\mu\text{-}S)\{Fe_2(CO)_6\}_2(\mu_4\text{-}S)]^-$ with acid chlorides and diacid chlorides. Crystal structure of $(\mu\text{-}PhCH_2S)(\mu\text{-}CH_2{=}C(Me)COS][Fe_2(CO)_6]_2(\mu_4\text{-}S)$
Z.-X. Wang, C.-S. Jia, Z.-Y. Zhou, X.-G. Zhou 108

para-Substituted diphenylborylated organocobaloximes: effects of substituents on conformation and redox properties
F. Asaro, R. Dreos, G. Nardin, G. Pellizer, S. Peressini, L. Randaccio, P. Siega, G. Tauzher, C. Tavagnacco 114

Selective oxidants for organometallic compounds containing a stabilising anion of highly reactive cations: $(3,5(CF_3)_2C_6H_3)_4B^-)Cp_2Fe^+$ and $(3,5(CF_3)_2C_6H_3)_4B^-)Cp^*_2Fe^+$
I. Chávez, A. Alvarez-Carena, E. Molins, A. Roig, W. Maniukiewicz, A. Arancibia, V. Arancibia, H. Brand, J. Manuel Manríquez 126

Transportation in MOCVD of traces of oxygenated aluminum and gallium organometallics
K.B. Starowieyski, M. Kaczorek, K. Pakuła 133

Asymmetric catalytic hydroformylation of styrene: stereoselective ferrocenylethyldiphosphine rhodium catalysts
F.A. Rampf, W.A. Herrmann 138

Synthesis and structural characterisation of bis(trimethylsilyl)amidotin(II) triflate $[\{Sn(NR_2)(\mu\text{-}\eta^2\text{-}\overline{OTf})_2\}]_\infty$ ($R = SiMe_3$, $^-OTf = ^-OSO_2CF_3$)
P.B. Hitchcock, M.F. Lappert, G.A. Lawless, G.M. de Lima, L.J.-M. Pierssens 142

The ring expansion of a dimethyl-substituted vinylcyclobutene derivative by metal complexes that can undergo an inner-sphere electron transfer
H.L. Holt, Jr., T. Russo, A.R. Pinhas 147

Synthesis of γ-lactones and unsaturated bis γ-lactones via Cu–Fe-mediated reductive cyclization of di- and tri-α-halogenated carboxylic esters
I. Somech, Y. Shvo 153

Anionic dichlorolanthanocene compounds. X-ray crystal structures of $[\{(Me_3Si)_2C_5H_3\}_2LnCl_2][Li(THF)_4]$ ($Ln = Er$, Yb) and $\{(Me_3Si)_2C_5H_3\}_2Yb(\mu\text{-}Cl)_2Li(THF)_2$
H.-S. Chan, Q. Yang, T.C.W. Mak, Z. Xie 160

Synthesis and characterisation of cyclometallated orthoazobenzene complexes of Ru(II): crystal and molecular structure of $[RuCl(CO)(\eta^2\text{-}C,N\text{-}C_6H_4N{=}NPh)(PPh_3)_2]\cdot 0.5CHCl_3\cdot 0.5Et_2O$. Is there a similarity to the hydroxyazo/ketohydrazone tautomerisation in *ortho*-hydroxyazobenzenes?
W.I. Cross, K.R. Flower, R.G. Pritchard 164

Functionalisation of tetraalkylsilanes derived from C–H activation; towards annulations of diterpenoids
P.W.R. Harris, C.E.F. Rickard, P.D. Woodgate 172

Synthesis and characterization of single-source precursors to nanocrystalline GaP, GaP_xAs_{1-x}, and GaP_xSb_{1-x}. X-ray crystal structures of $[Et_2GaP(SiMe_3)_2]_2$, $(Me_3Si)_2P[\mu\text{-}GaEt_2]_2As(SiMe_3)_2$, and $(Me_3Si)_2P[\mu\text{-}GaEt_2]_2Sb(SiMe_3)_2$
R.J. Jouet, R.L. Wells, A.L. Rheingold, C.D. Incarvito 191

Reactivity of $[Pd_3(\mu\text{-}OAc)_3(\mu,\eta^2\text{-}MeSCHCO_2Et\text{-}C,S)_3]$ in the presence of triphenylphosphine: a model of the early steps of the Pd/PR_3-catalysed Heck reaction
M. Basato, B. Sesto, M. Zecca, G. Valle, S. Antonello, F. Maran 201

Optically active transition-metal complexes: Part 124. Chiral 1-phospha[1]ferrocenophanes and 1,12-diphospha[1.1]ferrocenophanes — synthesis, characterization and ring-opening polymerization
H. Brunner, J. Klankermayer, M. Zabel 211

Synthesis, structure, and reactivity of ruthenium(II) complexes with a hemilabile tetradentate etherdiphosphine ligand
E. Lindner, J. Wald, K. Eichele, R. Fawzi 220

Zur Umsetzung von Bis(alkinyl)-Titanocenen mit Übergangsmetall-Verbindungen von Cu(II), Pd(II), Pt(II), Fe(III) und Au(III)
W. Frosch, S. Back, K. Köhler, H. Lang 226

Tetrahalogenomethanes: simple reagents for the synthesis of monohalogenated and mixed dihalogenated aromatic heterocycles via metal–halogen exchange from lithium compounds
C. Boga, E. Del Vecchio, L. Forlani, P.E. Todesco 233

Synthesis, structures and luminescent properties of metal complexes containing 4-[2-(9-anthryl)vinyl]pyridine
W.-Y. Wong, K.-Y. Tsang, K.-H. Tam, G.-L. Lu, C. Sun 237

Oxidation potential of benzylferrocenes and related compounds: effects of the *ortho*-methoxy substituent in the phenyl group
M. Asahara, S. Natsume, H. Kurihara, T. Yamaguchi, T. Erabi, M. Wada 246

Restudies of the spin state in (isothiocyanato)(pyridine)(porphinato)iron(III) hemipyridine complex. A spin-crossover complex with two magnetically distinct sites
T.-Y. Dong, P.-H. Ho, C.-H. Cheng, Y. Wang 253

Mixed reagent (aminosilyl)lithium/*i*-PrMgBr for the synthesis of functionalized oligosilanes
A. Kawachi, K. Tamao 259

The crystal structure of 5-hydro- and 7-hydro-*s*-indacenide-Rh(COD). A comparison with similar complexes
A. Ceccon, P. Ganis, F. Manoli, A. Venzo 267

Regiospecificity in reactions of alkynes and phosphines with the phosphido-bridged iron–cobalt complex $[(OC)_4Fe(\mu\text{-}PPh_2)Co(CO)_3]$
J.D. King, M.J. Mays, C.-Y. Mo, P.R. Raithby, M.A. Rennie, G.A. Solan, T. Adatia, G. Conole 271

Rh and Ir complexes containing multidentate, C_2-symmetry ligands. Structural and catalytic properties in asymmetric hydrogenation
M.J. Alcón, M. Iglesias, F. Sánchez, I. Viani 284

Synthesis and solvatochromism of some dipolar aryl-phosphonium and -phosphine oxide systems
D.W. Allen, J.P. Mifflin, P.J. Skabara 293

Cyclometallated complexes of ruthenium and osmium containing the $o\text{-}C_6H_4PPh_2$ ligand
M.A. Bennett, A.M. Clark, M. Contel, C.E.F. Rickard, W.R. Roper, L.J. Wright 299

Chiral cyclopalladated liquid crystals from amino acids
D.J. Saccomando, C. Black, G.W.V. Cave, D.P. Lydon, J.P. Rourke 305

Pentacoordinated diolefinic rhodium(I) organocomplexes with α-diimine ligands. Crystal structures of $[Rh(Nbd)(LL)(PPh_3)]ClO_4$ (Nbd = norbornadiene; LL = Bdh, biacetylidihydrazone; Pvdh, pyruvaldihydrazone; Bda, biacetyldianil)
M. Bikrani, R. El Mail, M.A. Garralda, L. Ibarlucea, E. Pinilla, M.R. Torres. 311

Rhodium-catalyzed hydroformylation of 1-allylpyrrole as an unexpected way to 5,6-dihydroindolizine synthesis
R. Lazzaroni, R. Settambolo, A. Caiazzo, L. Pontorno 320

Photolysis of 7,8-digermabicyclo[2.2.2]octadiene. The investigation of the elementary stages by means of ^1H CIDNP and laser pulse photolysis
M.B. Taraban, O.S. Volkova, V.F. Plyusnin, Y.V. Ivanov, T.V. Leshina, M.P. Egorov, O.M. Nefedov, T. Kayamori, K. Mochida. 324

Preparation and catalytic hydrogenation properties of some rhodium and ruthenium complexes with chiral tridentate phosphine ligands (*S,S*)-$PhP(CH_2CHMeCH_2PPh_2)_2$ and (*S*)-$Ph_2PCH_2CH(PPh_2)CH_2CH_2PPh_2$)
H.M. Lee, C. Yang, G. Jia 330

Ligating similarities between the novel five-electron-donor $\eta^4\text{-}P_3C_2Bu^t_2(R)H$ ring system, ($R = CH(SiMe_3)_2$) and the η^5-cyclopentadienyl ring. Syntheses, crystal and molecular structures of $[Co_2(CO)_5(\mu\text{-}P_3C_2Bu^t_2CH(SiMe_3)_2)]$ and $[Co(CO)_2(\eta^4\text{-}P_3C_2Bu^t_2H(CH(SiMe_3)_2]$
P.B. Hitchcock, J.F. Nixon, N. Sakarya 335

Note
On the in situ trimethylsilylation of zinc acetylides
U. Mäeorg, S. Viirlaid, H. Hagu, H.D. Verkruijsse, L. Brandsma 341

Erratum. 343

Erratum. 344

Conference Calendar 345
Author Index of Volume 601 347
Subject Index of Volume 601 349
Contents of Volume 601 357